



# 2017 Missouri Archery Deer Hunting Survey Results



Compiled by: MDC Resource Science Division

The MDC Deer Program uses surveys such as this one to gauge public opinion regarding deer numbers, population trends, and management strategies in each county. We greatly appreciate the responses we receive which help make our surveys an effective management tool!

The Archery Deer Hunting Survey asks questions about perceived deer population size and trends in the county most hunted, and the number of days spent hunting and deer that were killed during each portion of the archery season. Data on days hunted and number of deer killed are important for a “trips-per-kill” estimate and to better understand when hunters are spending time afield. The survey also asks questions to gauge hunter opinions on certain hunting regulations, MDC’s approach to CWD management, and other topics.

The sampling pool for this survey is any hunter that received an archery deer hunting permit during the most recent deer season. Following the 2017 deer season, we sent 35,000 surveys to archery hunters (about 7% of our total deer hunters or 16% of our archery deer hunters).

We have summarized the primary results of the 2017 survey and present these data in the figures that follow. For questions about this survey contact Aaron Hildreth, Cervid Biologist, at 573-815-7901, ext 2892.

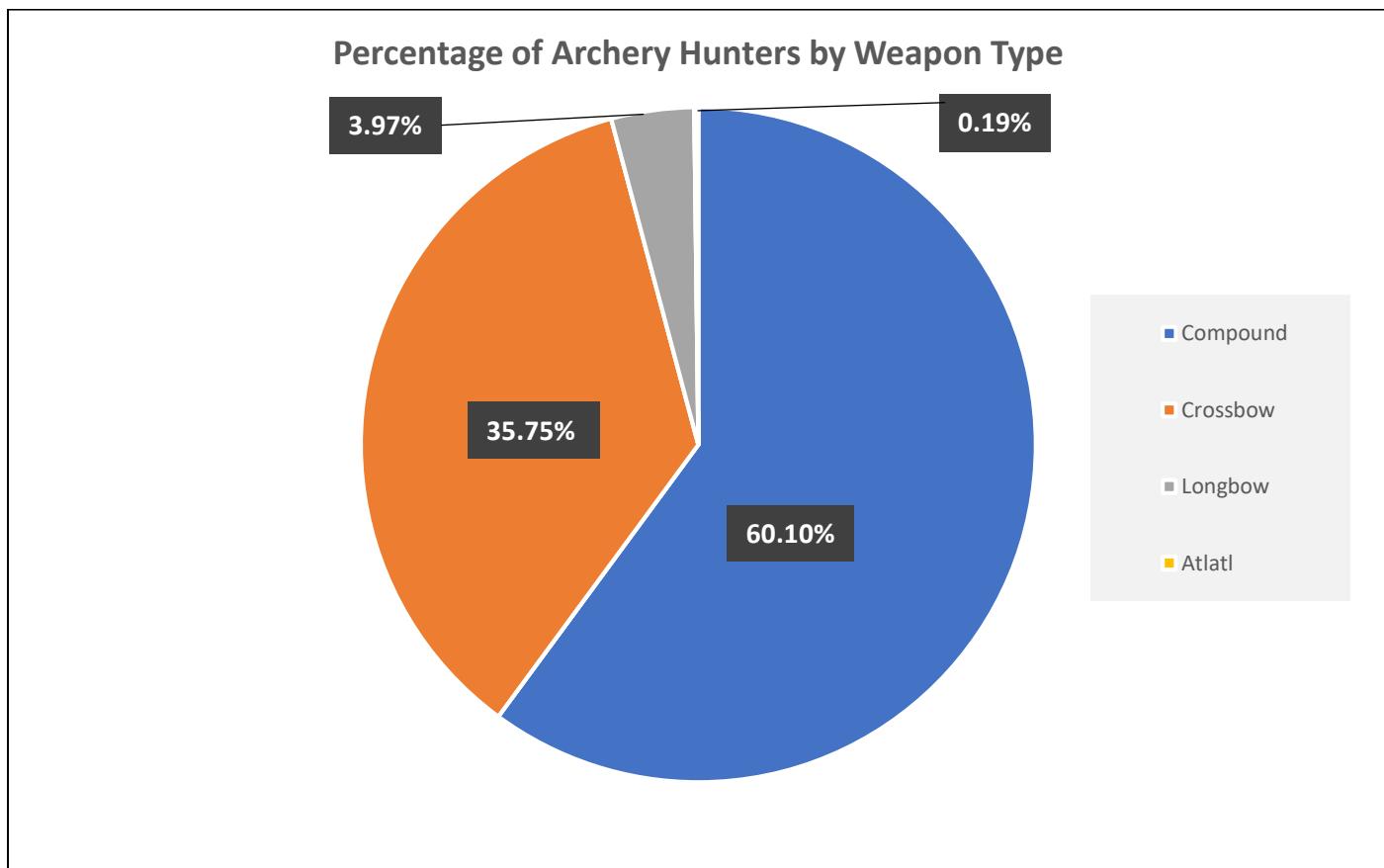


Figure 1. Percentage of archery deer hunters by weapon type based on 2017 archery deer survey respondents.

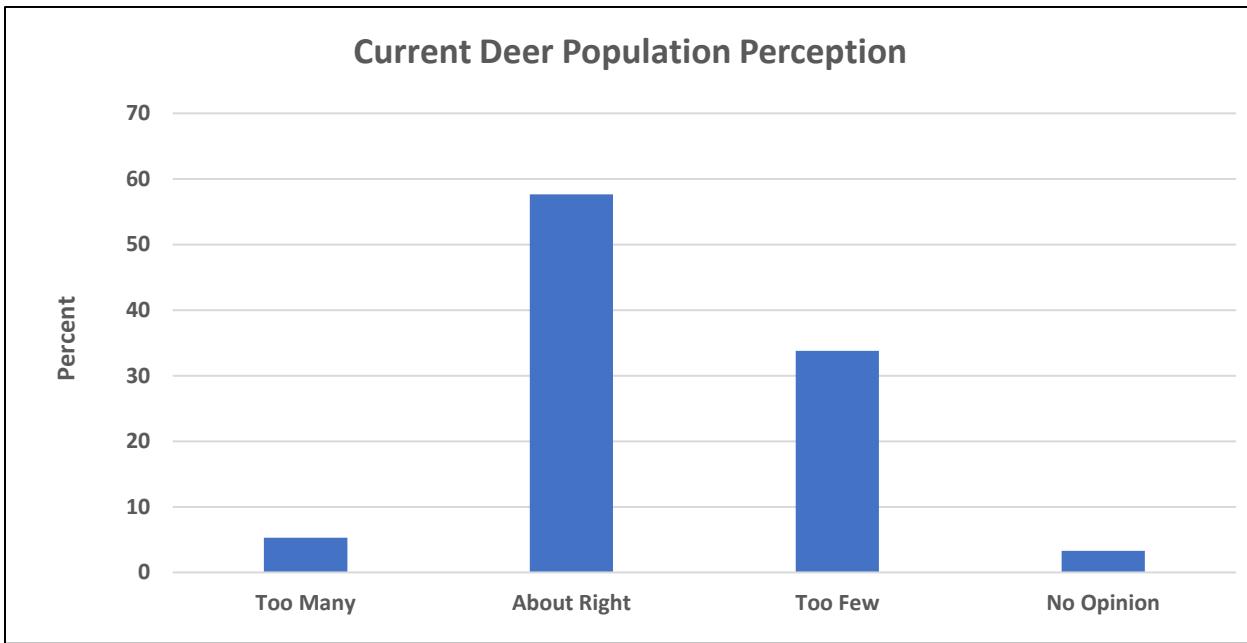


Figure 2. Percentage of 2017 archery deer hunter survey respondents that said “too many”, “about right”, “too few”, or “no opinion” when asked about the number of deer in the county they hunt the most.

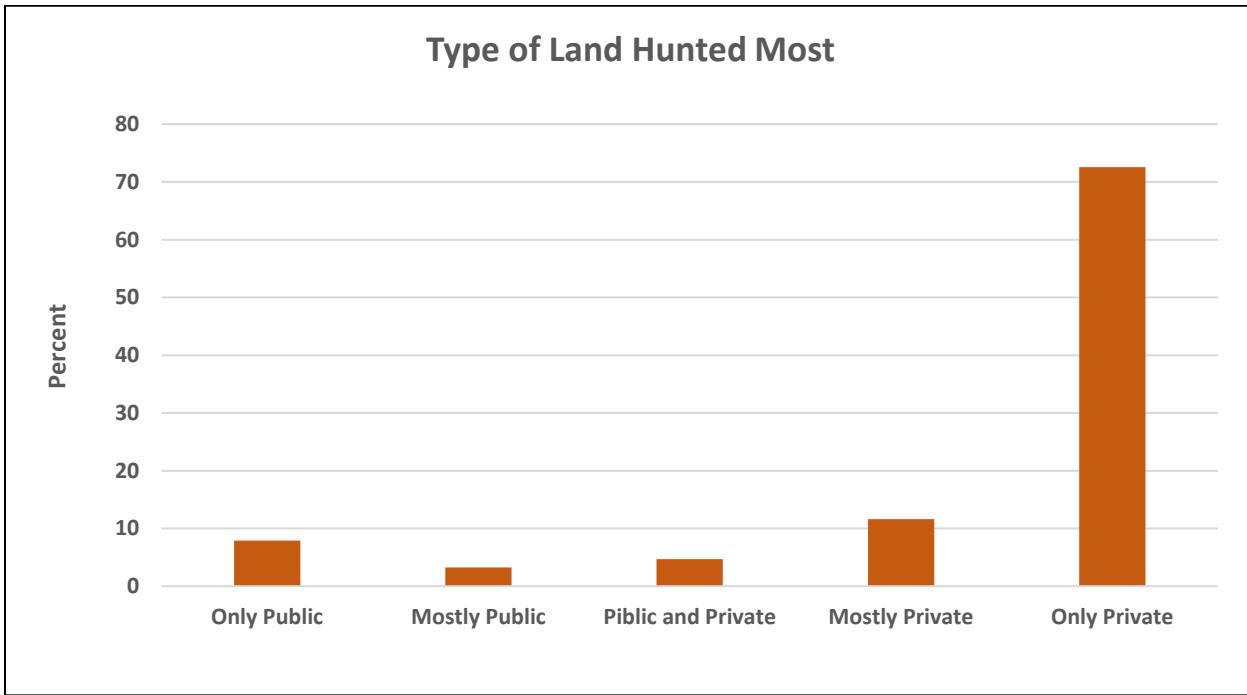


Figure 3. Type of land hunted most by 2017 archery deer hunter survey respondents.

### Chronic Wasting Disease (CWD) is a Threat to Missouri's Deer Population

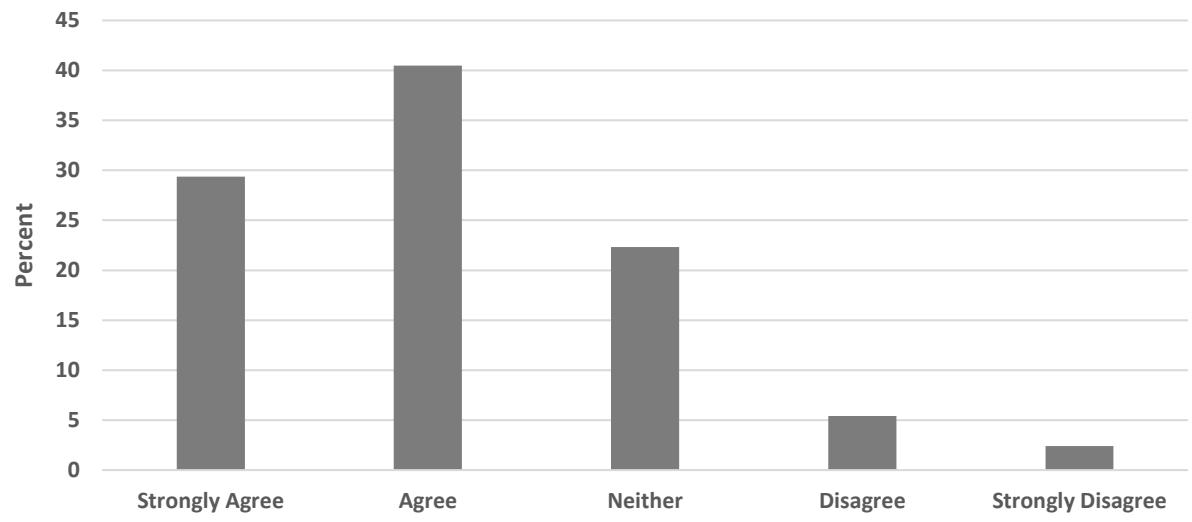


Figure 4. Opinions of 2017 archery deer hunter survey respondents about the threat of CWD to Missouri's deer population.

### Harvest, Wounding, and Miss Rates by Weapon Type

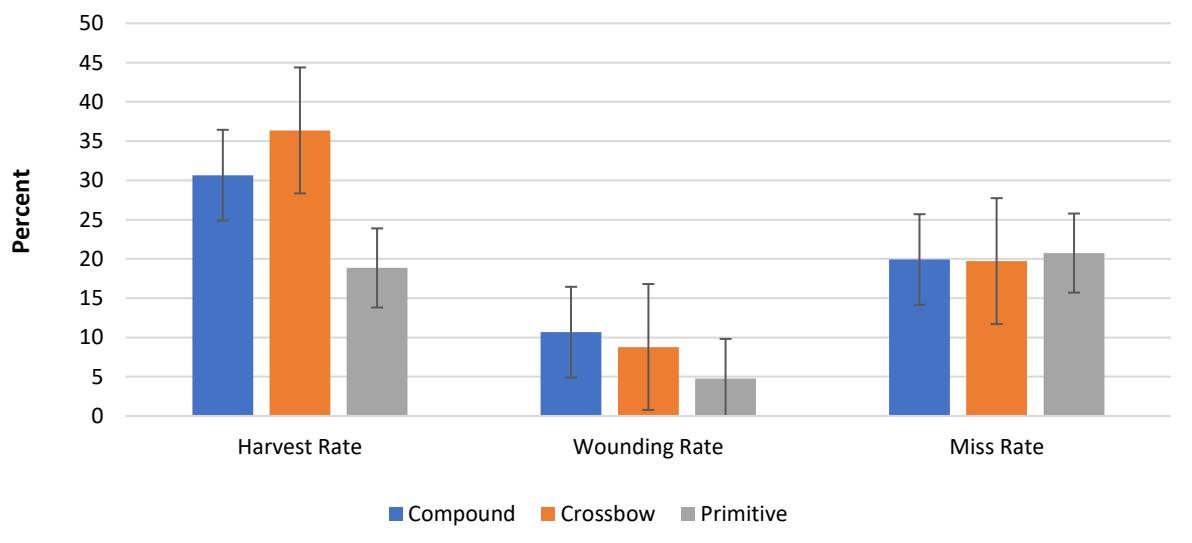


Figure 5. Comparison of harvest, wounding, and miss rates by weapon type among 2017 archery deer hunter survey respondents. Primitive weapons include longbow, recurve bow, and atlatl.

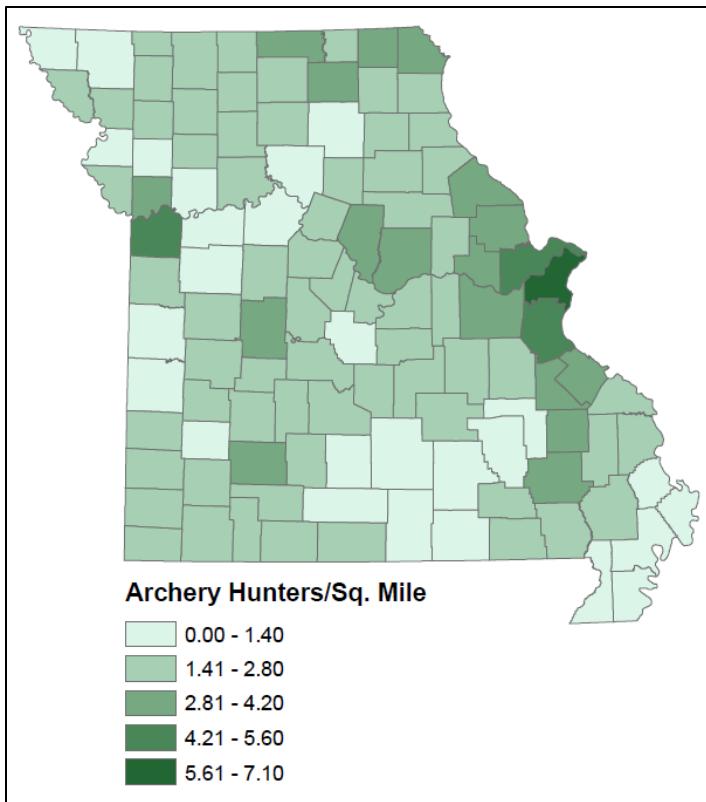


Figure 6. Hunter density (Hunters/square mile) by county based on 2017 archery deer hunter survey respondents.

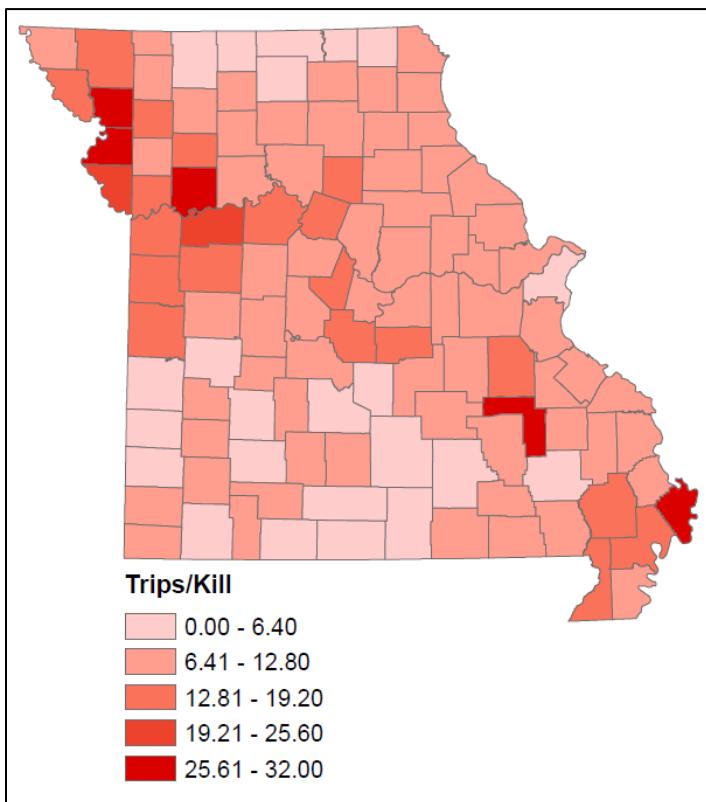


Figure 7. Average number of trips per deer harvested by county based on 2017 archery deer hunter survey respondents.

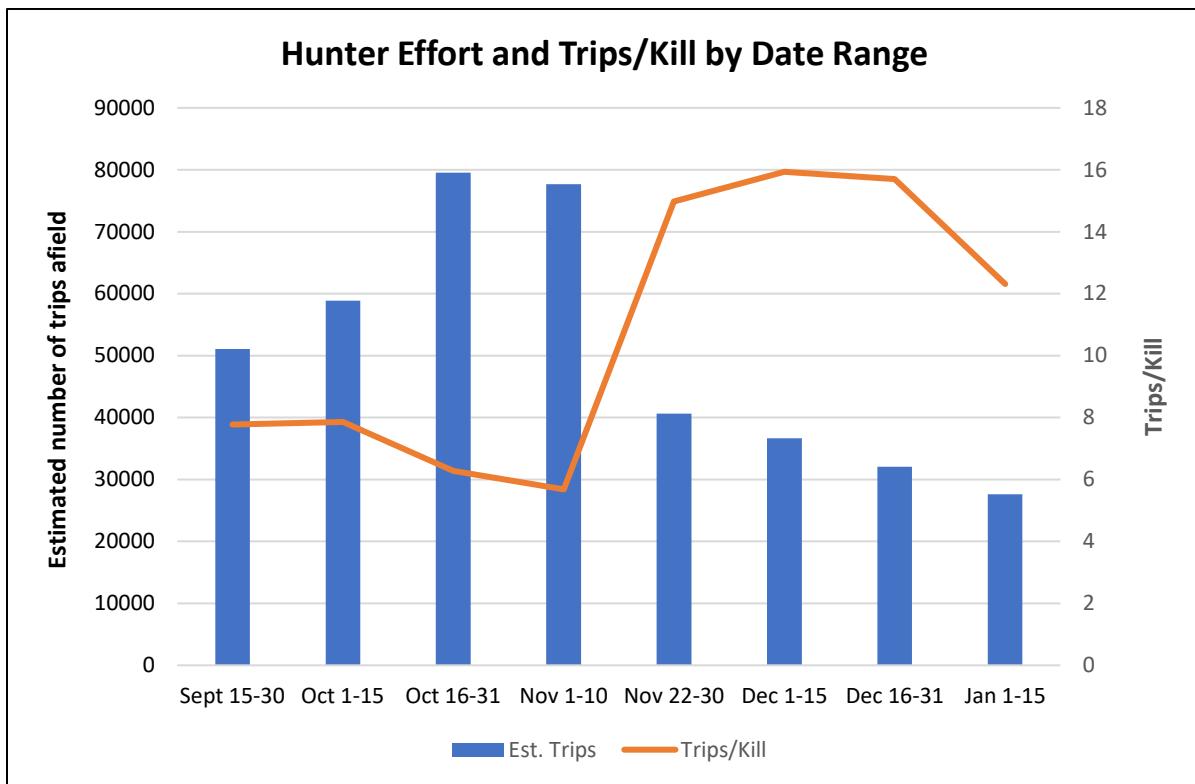


Figure 8. Estimated number of trips and trips per harvested deer statewide by date range based on 2017 archery deer hunter survey respondents.